

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JPL</i>	3,704,465	11/28/72	Masak et al.			
	3,774,209	11/20/73	Fleming et al.			
	3,798,645	03/19/74	Baurle et al.			
	3,852,749	12/03/74	Kohler			
	3,946,385	03/23/76	Ewen			
	4,005,379	01/25/77	Lerner			
	4,035,746	07/12/77	Covington Jr.			
	4,085,319	04/18/78	Deitz et al.			
	4,128,740	12/05/78	Graziano			
	4,263,568	04/21/81	Nemit			
<i>JPL</i>	4,316,191	02/16/82	Sawatari et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
<i>JPL</i> 2 237 706 A	5/8/91	United Kingdom				
<i>JPL</i> 2 295 524 A	5/29/96	United Kingdom				
<i>JPL</i> 2 313 261 A	11/19/97	United Kingdom				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JPL</i>	Acampora et al., "A New Adaptive MAC Layer Protocol for Wireless ATM Networks in Harsh Fading and Interference Environments", 1997 IEEE, pp. 410-415.
<i>JPL</i>	Agee, "Blind Separation and Capture of Communication Signals Using A Multitarget Constant Modulus Beamformer", 10/7/89 Proc. IEEE Military Communications Conference, Vol. 2, pp. 1-12.
<i>JPL</i>	Aschied et al., "An All Digital Receiver Architecture for Bandwidth Efficient Transmission at High Data Rates", 1989, IEEE Transactions on Communications, Vol. 37, No. 8, pp. 804-813.

EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*2/21/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

AUG 20 2001

Technology Center 2600

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JL	4,375,622	03/01/83	Hollingsworth et al.			
	4,434,505	02/28/84	Gutleber			
	4,475,010	10/02/84	Huensch et al.			
	4,626,859	12/02/86	Stansfield			
	4,639,732	01/27/87	Acoraci et al.			
	4,639,914	01/27/87	Winters			
	4,658,096	04/14/87	West, Jr. et al.			
	4,737,794	04/12/88	Jones			
	4,737,975	04/12/88	Shafer			
	4,742,356	05/03/88	Kuipers			
JL	4,750,147	06/07/88	Roy, III et al.			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
0 639 035 A1	2/15/95	EPO				
0 713 261 A1	5/22/96	EPO				
0 777 400 A2	6/4/97	EPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JL	Franks, "Synchronization Subsystems: Analysis and Design", 1981, Digital Communications Satellite/Earth Station Engineering, pp. 294-335.
	Friedlander, "Direction Finding Using an Interpolated Array", 4/3/90, International Conference on Acoustics, Speech, and Signal Processing, Vol. 5, pp. 2951-2954.
JL	Friedlander et al., "Direction Finding for Wideband Signals Using an Interpolated Array", 1991, IEEE Publication, pp. 583-587.

EXAMINER

Joe Logsdon

DATE CONSIDERED

2/5/02

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	4,775,997	10/04/88	West Jr. et al.			
	4,796,291	01/03/89	Makino			
	4,827,395	05/02/89	Anders et al.			
	4,829,554	05/09/89	Barnes et al.			
	4,837,800	06/06/89	Freeburg et al.			
	4,855,748	08/08/89	Brandao et al.			
	4,910,794	03/20/90	Mahany			
	4,922,517	05/01/90	West, Jr. et al.			
	4,926,186	05/15/90	Kelly et al.			
	4,940,963	07/10/90	Gutman et al.			
<i>[Signature]</i>	4,947,452	08/07/90	Hattori et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
95/34103	12/14/95	WO			
98/01963	1/15/98	WO			
98/17037	4/23/98	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	Ganz et al., "A Data-Derived Reference Signal Technique for Adaptive Arrays", IEEE Transactions on Communications, Vol. 37, No. 9, 9/1989, pp. 975-983.
<i>[Signature]</i>	Ittis et al., "A Digital DS Spread-Spectrum Receiver With Joint Channel and Doppler Shift Estimation", IEEE Transactions on Communications, Vol. 39, No. 8, 8/1991, pp. 1255-1267.
<i>[Signature]</i>	Krishnamurthy et al., "Polling Based Media Access Protocols For Use With Smart Adaptive Array Antennas", 1998 IEEE, pp. 337-344.

EXAMINER

Joe Logsdon

DATE CONSIDERED

2/5/02

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED

AUG 20 2001

Technology Center 2600

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JLH</i>	4,955,082	09/04/90	Hattori et al.			
	4,965,732	10/23/90	Roy, III et al.			
	4,965,849	10/23/90	Kunihiro			
	4,965,850	10/23/90	Schloemer			
	4,972,151	11/20/90	Rosen			
	4,989,204	01/29/91	Shimizu et al.			
	5,041,833	08/20/91	Weinberg			
	5,052,799	10/01/91	Sasser et al.			
	5,093,924	03/03/92	Toshiyuki et al.			
<i>JLH</i>	5,109,535	04/28/92	Kume et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
<i>JLH</i> 98/17071	4/23/98	WO				
<i>JLH</i> 98/28864	7/2/98	WO				
<i>JLH</i> 98/33346	7/30/98	WO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JLH</i>	Lee et al., "Decision Directed Carrier Recovery - Chapter 16: Carrier Recovery", 1994 Digital Communications, 2nd Edition, Kluwer Academic Pub., pp. 725-736.
<i>JLH</i>	Lee et al., "Decision Directed Carrier Recovery - Chapter 17: Timing Recovery", 1994 Digital Communications, 2nd Edition, Kluwer Academic Pub., pp. 737-764.
<i>JLH</i>	Lundell et al., "Applications of the Constant Modulus Adaptive Beamformer to Constant and Non-Constant Modulus Signals", Proceedings, 1998 Asilomar Conference on Signals, Systems, and Computers (ACSSC-1988), pp. 432-436.

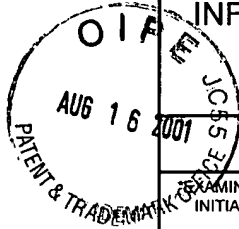
EXAMINER

*Joe Lysdon*

DATE CONSIDERED

*2/5/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED

AUG 20 2001

Technology Center 2600

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Louis C. Yun



FILING DATE

11/09/99

GROUP

2739

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,124,697	06/23/92	Moore			
	5,142,253	08/25/92	Mallavarpu et al.			
	5,159,593	10/27/92	D'Amico et al.			
	5,255,210	10/19/93	Gardner et al.			
	5,260,968	11/09/93	Gardner et al.			
	5,262,789	11/16/93	Silverstein			
	5,274,844	12/28/93	Harrison et al.			
	5,283,540	02/01/94	Myer			
	5,299,148	03/29/94	Gardner et al.			
	5,335,249	08/02/94	Krueger et al.			
	5,345,596	09/06/94	Buchenhorn et al.			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
7-170548	4/7/95	Japan				X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Muhammed et al., "Direction of Arrival Estimation Using Antenna Arrays", 1996, The Bradley Dept. of Electrical Engineering, Mobile and Portable Radio Research Group, Section 3.8, pp. 64-71.

vander Veen et al., "A Constant Modulus Factorization Technique for Smart Antenna Applications in Mobile Communications", SPIE 1994 "Advanced Signal Processing Algorithms, Architectures, and Implementations V", Vol. 2296, pp. 230-241.

Talwar et al., "Recursive Algorithms for Estimating Multiple Co-Channel Digital Signals Received at an Antenna Array", Proc. Fifth Annual IEEE Dual Use Technologies and Applications Conference.

EXAMINER

Joe Logsdon

DATE CONSIDERED

2/5/02

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

**015685.P032**

SERIAL NO.

**09/437,764**

## INFORMATION DISCLOSURE CITATION

APPLICANT

**Louis C. Yun**

FILING DATE

**11/09/99**

GROUP

**2739**

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RL</i>	<b>5,361,303</b>	<b>11/01/94</b>	<b>Eatwell</b>			
	<b>5,367,559</b>	<b>11/22/94</b>	<b>Kay et al.</b>			
	<b>5,379,320</b>	<b>01/03/95</b>	<b>Fernandes et al.</b>			
	<b>5,387,915</b>	<b>02/07/95</b>	<b>Moussa et al.</b>			
	<b>5,423,072</b>	<b>06/06/95</b>	<b>Iwashita et al.</b>			
	<b>5,430,760</b>	<b>07/04/95</b>	<b>Dent</b>			
	<b>5,440,281</b>	<b>08/08/95</b>	<b>Wey et al.</b>			
	<b>5,448,621</b>	<b>09/05/95</b>	<b>Knudsen</b>			
	<b>5,457,812</b>	<b>10/10/95</b>	<b>Siira et al.</b>			
	<b>5,465,399</b>	<b>11/07/95</b>	<b>Oberholtzer et al.</b>			
<i>RL</i>	<b>5,471,647</b>	<b>11/28/95</b>	<b>Gerlach et al.</b>			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>RL</i>	<b>Papadias et al., "A Space-Time Constant Modulus Algorithm for SDMA Systems", 1996, Proceedings, IEEE 46th Vehicular Technology Conference, pp. 86-90.</b>
<i>RL</i>	<b>Talwar et al., "Blind Estimation of Multiple Co-Channel Digital Signals Arriving at an Antenna Array", 1993, Proc. 27th Asilomar Conference on Signals, Systems, and Computers, Vol. 1, pp. 349-342.</b>
<i>RL</i>	<b>Rashid-Farrokhi et al., "Joint Power Control and Beamforming for Capacity Improvement in Wireless Networks With Antenna Array", 1996 IEEE GLOBECOM 1996, Vol. 1, pp. 555-559.</b>

EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*2/5/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

**015685.P032**

SERIAL NO.

**09/437,764**

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

**Louis C. Yun**

FILING DATE

**11/09/99**

GROUP

**2739**

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	<b>5,475,864</b>	<b>12/12/95</b>	<b>Hamabe</b>			
	<b>5,475,868</b>	<b>12/12/95</b>	<b>Duque-Anton et al.</b>			
	<b>5,497,505</b>	<b>03/05/96</b>	<b>Koohgoli et al.</b>			
	<b>5,515,378</b>	<b>05/07/96</b>	<b>Roy, III et al.</b>			
	<b>5,530,449</b>	<b>06/25/96</b>	<b>Wachs et al.</b>			
	<b>5,530,917</b>	<b>06/25/96</b>	<b>Andersson et al.</b>			
	<b>5,532,706</b>	<b>07/02/96</b>	<b>Reinhardt et al.</b>			
	<b>5,537,438</b>	<b>06/16/96</b>	<b>Mourot et al.</b>			
	<b>5,543,801</b>	<b>08/06/96</b>	<b>Shawyer</b>			
	<b>5,546,090</b>	<b>08/13/96</b>	<b>Roy, III et al.</b>			
<i>[Signature]</i>	<b>5,548,813</b>	<b>08/20/96</b>	<b>Charas et al.</b>			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[Signature]</i>	Rashid-Farrokhi et al., "Transmit Beamforming for Cellular Communication Systems", Conference on Information Sciences and Systems, CISS-97; 3/1997, 4 pages.
<i>[Signature]</i>	Rashid-Farrokhi et al., "Downlink and Uplink Capacity Enhancement in Power Controlled Cellular Systems", Proceedings, 1997 IEEE 47th Vehicular Technology Conference, Vol. 2, 5/97, pp. 647-651.
<i>[Signature]</i>	Rashid-Farrokhi et al., "Downlink Power Control and Base Station Assignment", IEEE Communications Letters, Vol. 1, No.4, 07/97, pp. 102-104.

EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*2/5/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JL</i>	5,553,074	09/03/96	Acampora			
	5,555,445	09/10/96	Booth			
	5,557,657	09/17/96	Barnett			
	5,565,873	10/15/96	Dean			
	5,566,209	10/15/96	Forssen et al.			
	5,576,717	11/19/96	Searle et al.			
	5,592,490	01/07/97	Barratt et al.			
	5,596,625	01/21/97	LeBlanc			
	5,603,082	02/11/97	Hamabe			
	5,603,089	02/11/97	Searle et al.			
<i>JL</i>	5,606,729	02/25/97	D'Amico et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JL</i>	Rashid-Farrokh et al., "Transmit Diversity and Equalization for Power Controlled Wireless Networks", Conference Record 31st Asilomar Conference on Signals, Systems, and Computers, Vol. 1, 11/97, pp. 620-624.
	Xu et al., "Throughput Multiplication of Wireless LANs for Multimedia Services: SDMA Protocol Design", 1994, IEEE, pp. 1326-1332.
<i>JL</i>	Swidlhurst et al., "Analysis of a Decision Directed Beamformer", IEEE Transactions on Signal Processing, Vol. 43, No. 12, 12/95, pp. 2920-2927.

EXAMINER

*Joe Lagson*

DATE CONSIDERED

*2/5/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

**015685.P032**

SERIAL NO.

**09/437,764**

## INFORMATION DISCLOSURE CITATION

APPLICANT

**Louis C. Yun**

FILING DATE

**11/09/99**

GROUP

**2739**

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	5,615,409	03/25/97	Forssen et al.			
	5,621,752	04/15/97	Antonio et al.			
	5,625,885	04/29/97	Nakazawa et al.			
	5,638,375	06/10/97	Dettro et al.			
	5,649,287	07/15/97	Forssen et al.			
	5,673,291	09/30/97	Dent			
	5,675,581	10/7/97	Soliman			
	5,678,188	10/14/97	Hisamura			
	5,684,836	11/04/97	Nagayasu et al.			
	5,689,219	11/18/97	Piirainen			
<i>[Signature]</i>	5,689,502	11/18/97	Scott			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

*[Signature]* Zhang et al., "Performance of a Modified Polling Strategy for Broadband Wireless LANs in a Harsh Fading Environment", 1991, GLOBECOM 1991, pp. 1141-1146.

*[Signature]* US98/25364, PCT Search Report, 05/11/99.

EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*5/5/05*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JKL</i>	5,694,416	12/02/97	Johnson			
	5,697,066	12/09/97	Acampora			
	5,726,978	03/10/98	Frodigh et al.			
	5,732,076	03/24/98	Ketseoglou et al.			
	5,742,904	04/21/98	Pinder et al.			
	5,745,858	04/28/98	Sato et al.			
	5,748,676	05/05/98	Mahany			
	5,752,165	05/12/98	Hokkanen			
	5,774,461	06/30/98	Hyden et al.			
	5,809,009	09/15/98	Matsuoka et al.			
<i>JKL</i>	5,809,019	09/15/98	Ichihara et al.			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*2/5/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

**015685.P032**

SERIAL NO.

**09/437,764**

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

**Louis C. Yun**

FILING DATE

**11/09/99**

GROUP

**2739**

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	<b>5,818,918</b>	<b>10/06/98</b>	<b>Fujii</b>			
	<b>5,819,182</b>	<b>10/06/98</b>	<b>Gardner et al.</b>			
	<b>5,825,762</b>	<b>10/20/98</b>	<b>Kamin, Jr. et al.</b>			
	<b>5,828,658</b>	<b>10/27/98</b>	<b>Ottersten et al.</b>			
	<b>5,845,212</b>	<b>12/01/98</b>	<b>Tanaka</b>			
	<b>5,867,123</b>	<b>02/02/99</b>	<b>Geyh et al.</b>			
	<b>5,884,148</b>	<b>03/16/99</b>	<b>Bilgic et al.</b>			
	<b>5,887,038</b>	<b>03/23/99</b>	<b>Golden</b>			
	<b>5,905,721</b>	<b>05/18/99</b>	<b>Liu et al.</b>			
	<b>5,909,470</b>	<b>06/01/99</b>	<b>Barratt et al.</b>			
<i>[Signature]</i>	<b>5,914,946</b>	<b>06/22/99</b>	<b>Avidor et al.</b>			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*2/21/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO  
AUG 16 2001  
PATENT & TRADEMARK OFFICE

RECEIVED  
AUG 20 2001  
Technology Center 2600

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

## INFORMATION DISCLOSURE CITATION

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JL</i>	5,930,243	07/27/99	Parish et al.			
	5,933,421	08/03/99	Alamouti et al.			
	5,955,992	09/21/99	Shattil			
	5,970,394	10/19/99	Arpee et al.			
	5,973,638	10/26/99	Robbins et al.			
	5,999,826	12/07/99	Whinnett			
	6,005,854	12/21/99	Xu et al.			
	6,009,124	12/28/99	Smith et al.			
	6,018,317	01/25/00	Dogan et al.			
	6,018,555	01/25/00	Mahany			
<i>JL</i>	6,018,643	01/25/00	Golemon et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*J. Logsdon*

DATE CONSIDERED

*2/2/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OIP  
AUG 16 2001  
PATENT & TRADEMARK OFFICE

RECEIVED  
AUG 20 2001  
Technology Center 2600

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

015685.P032

SERIAL NO.

09/437,764

APPLICANT

Louis C. Yun

FILING DATE

11/09/99

GROUP

2739

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	6,023,203	02/08/00	Parish			
	6,061,553	05/09/00	Matsuoka et al.			
	6,064,865	05/16/00	Kuo et al.			
	6,108,565	08/22/00	Scherzer			
	6,154,661	11/28/00	Goldburg			
	6,185,412	02/06/01	Pentikainen et al.			
<i>[Signature]</i>	6,192,256	2/20/01	Whinnett			

RECEIVED

AUG 20 2001

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Joe Logsdon*

DATE CONSIDERED

*2/21/02*

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.